

The Claims

What is claimed is:

5 1. A fixing for supporting fire-resistant composite glazing on a
subconstruction with the composite glazing formed of an assembly of a glazed element and
an additional pane, the fixing comprising at least one point support for fixing the glazed
element to the subconstruction and at least one safety element, wherein the safety element is
configured and dimensioned to permit the additional pane to be disposed in a first position
10 proximate the glazed element and a supported position spaced therefrom.

 2. The fixing of claim 1, wherein the at least one point support fixes the
glazed element by force or positive engagement.

15 3. The fixing of claim 1, wherein in the first position the additional pane
is bonded to the glazed element.

 4. The fixing of claim 1, wherein the at least one safety element is fixed
at least indirectly to the glazed element.
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 5. The fixing of claim 1, wherein the additional pane has at least one
opening through which a support of the at least one safety element passes.

25 6. The fixing of claim 1, wherein the at least one opening comprises a
through-bore and the at least one safety element comprises a ring, disk, ring segment or disk
segment, wherein an outside diameter of the at least one safety element is larger than the
through-bore.

30 7. The fixing of claim 1, wherein the additional pane defines a first
plane, and the at least one safety element is fixed to a point support that intersects the first
plane.

 8. The fixing of claim 1, wherein the additional pane is prestressed or
35 partially prestressed.

9. The fixing of claim 1, wherein the additional pane comprises at least two sheets assembled with one another.

10. The fixing of claim 1, wherein the additional pane is provided with a
5 heat-reflective coating.

11. The fixing of claim 1, wherein the additional pane comprises a monolithic or multilayer fire-resistant pane.

10 12. The fixing of claim 1, wherein the glazed element comprises a pane of laminated glass.

13. The fixing of claim 1, wherein the glazed element comprises insulating glazing having at least two sheets of glass assembled with one another by a
15 spacing frame.

14. The fixing of claim 1, wherein the glazed element comprises at least one pane formed of prestressed or partially prestressed glass.

20 15. The fixing of claim 1, wherein the composite glazing is an oblique glazing or roof glazing and the composite glazing is at least one of a large-area type and frameless type.

25 16. The fixing of claim 1, wherein an intermediate insulating gap is formed between the glazed element and the additional pane when the additional pane is in the supported position.

17. A fixing for supporting a composite glazing formed of at least one
30 glass element and an additional pane, the fixing comprising:

a support;

a safety element coupled to the support and spaced therefrom to define a region for receiving the at least one glass element,

35 wherein the safety element is configured and dimensioned to permit the additional pane to be disposed in a first position proximate the glass element and a supported position spaced from the first position.

18. The fixing of claim 17, wherein the safety element is coupled to the support with a fastener.

19. The fixing of claim 18, wherein the fastener is received in aligned
5 bores in the support and safety element.

20. A fire-resistant glazing assembly comprising:
a support;
a safety element coupled to the support and spaced therefrom;
10 a first glass sheet disposed between the support and the safety element; and
a second glass sheet;
wherein the safety element is configured and dimensioned to permit the
second glass sheet to be disposed in a first position proximate the first glass sheet and a
second supported position spaced from the first position.
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21. The fire-resistant glazing assembly of claim 20, wherein the first
glass sheet comprises a bore, and the safety element is coupled to the support with a fastener
that extends therethrough .

22. The fire-resistant glazing assembly of claim 21, wherein in the first
position the second glass sheet is bonded to the first glass sheet.

23. The fire-resistant glazing assembly of claim 20, wherein the safety
25 element comprises a first portion sealed to the first glass sheet and a second portion remote
from the first glass sheet.

24. The fire-resistant glazing assembly of claim 23, wherein the second
glass sheet comprises a bore with an inner diameter, the first portion has a first outer
30 diameter, and the inner diameter is larger than the first outer diameter.

25. The fire-resistant glazing assembly of claim 24, wherein the second
portion has a second outer diameter, and the inner diameter of the bore is smaller than the
second outer diameter.

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26. The fire-resistant glazing assembly of claim 20, wherein the first glass sheet comprises at least two sheets.

27. The fire-resistant glazing assembly of claim 26, wherein the at least
5 two sheets are bonded together.

28. The fire-resistant glazing assembly of claim 20, wherein the first glass sheet comprises a pane of laminated glass.

10 29. The fire-resistant glazing assembly of claim 20, wherein at least one of the first and second glass sheets is prestressed or partially prestressed.

15 30. The fire-resistant glazing assembly of claim 20, wherein the first glass sheet is separated from the support by a seal.

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